International Civil Aviation Organization

**MIDANPIRG Communication Navigation and Surveillance
Sub-Group (CNS SG)**

Fifth Meeting
(Cairo, Egypt, 11 -13 December 2012)

Agenda Item 7:   **Future Work programme**

FUTURE WORK PROGRAMME

(Presented by the Secretariat)

<table>
<tr><td>

SUMMARY

The aim of this paper is to review and update the Terms of Reference (TOR) and work programme of the CNS Sub group and to agree on the dates and venue of its next meeting.

Action by the Meeting is at paragraph 3.

</td></tr>
<tr><td>

REFERENCES

−   MIDANPIRG Procedural Handbook
−   MIDANPIRG/12 Report

</td></tr>
</table>

1.   INTRODUCTION

1.1   The Middle East Air Navigation Planning and Implementation Regional Group (MIDANPIRG) Procedural Handbook sixth edition endorsed by MIDANPIRG/13 contains the updated Terms of Reference (TOR) of the MIDANPIRG different Sub-Groups and the working arrangements and internal instructions developed by the Group for the practical application of its Terms of Reference.

2.   DISCUSSION

2.1   The current TOR and Work Programme of the CNS SG is at **Appendix A** to this working paper.

2.2   The meeting may wish to note that AN-Conf/12 discussed the opportunities for the rationalization of terrestrial navigation aids arising with the implementation of performance-based navigation enabled by GNSS capability in the aircraft. It considered an approach that aimed at maximizing the greatest economic benefits of rationalization, namely those that come from avoiding the replacement of navigation aids at the end of their lifecycle. The approach was based on an analysis aimed at identifying rationalization opportunities, evaluating the necessary route changes and determining whether a limited PBN implementation on the affected routes would be more cost effective than the replacement of the aids.

2.3   Furthermore, AN-Conf/12 noted that one constraint on the rationalization process is that a minimum network of terrestrial aids should be maintained to cope with temporary loss of GNSS service. In general, the fundamental requirement to be met by such a network is to fully maintain safety following the loss of GNSS service, and maintain an acceptable level of efficiency and continuity to the extent possible and agreed on the following Recommendation:

Recommendation 6/10 – Rationalization of terrestrial navigation aids

That, in planning for the implementation of performance-based navigation, States should:

a)   *assess the opportunity for realizing economic benefits by reducing the number of navigation aids through the implementation of performance-based navigation;*

b)   *ensure that an adequate terrestrial navigation and air traffic management infrastructure remains available to mitigate the potential loss of global navigation satellite system service in their airspace; and*

c)   *align performance-based navigation implementation plans with navigation aid replacement cycles, where feasible, to maximize cost savings by avoiding unnecessary infrastructure investment*

2.4   Taking into consideration the latest developments related to the Global Air Navigation Plan for Capacity and efficiency, and based on the outcome of the AN-Conf/12 and since CNS SG meeting will not be convened during 2013 as per the tentative schedule of meeting for the MID Regional office at **Appendix B** to this working paper.

2.5   In accordance with the MIDANPIRG Procedural Handbook, the Sub Group is expected to review and update its Terms of Reference and Work Programme and to decide on the dates and venue of its next meeting.

3.   ACTION BY THE MEETING

3.1   The meeting is invited to:

a)   consider review and update the Terms of Reference and work Programme of the CNS Sub Group to include additional task of rationalization of NAVAID; and

b)   decide on the dates and venue of the CNS SG/6 meeting.

APPENDIX A

COMMUNICATION, NAVIGATION AND SURVEILLANCE SUB-GROUP

(CNS SG) OF THE MID REGION

1.   Terms of Reference

1.1   The terms of reference of the CNS Sub-Group are:

a) Ensure the continuing and coherent development of the MID Regional Air Navigation Plan in the fields of aeronautical communications, navigation and surveillance (CNS), including the development of CNS elements of the MID CNS/ATM Implementation Plan in the light of new developments, in harmony with the ICAO Global Air Navigation Plan (Doc 9750) and the plans for adjacent regions.

b) Review and identify any deficiencies that impede the implementation or provision of efficient CNS services in the MID Region and recommend correction actions.

c) Provide specific recommendations aimed at improving CNS services through the use of existing procedures and facilities or, through modernization programmes and evolutionary introduction of new procedures or technologies based on operational requirements.

d) Review and identify inter regional or any co-ordination issues in the fields of CNS and recommend actions to address those issues.

e) Monitor and encourage CNS systems research and development, trial and demonstrations in the fields of CNS and facilitate the transfer of this information and expertise between MID States, including studies on institutional arrangement for the implementation of the CNS system in MID Region.

1.2   In order to meet the Terms of Reference, the CNS SG shall:

a) Survey and update of CNS deficiencies in the MID Region on a regular basis and focus on surveys and information from users such as IATA and IFALPA.

b) Follow-up the developments of ICAO position regarding future ITU World Radio Communication (WRC) Conferences and their preparatory meetings, and urge States to support ICAO Position at WRC, and encourage States for the proper utilization of the frequency spectrum.

c) Develop ATN Plan for MID region and assist in its Implementation;

d) Develop Surveillance Plan and Strategy for the MID region in coordination with other Sub-Groups to support MID Region Performance Objectives.

e) Review and update ATN/IPS WG TOR and task list and encourage harmonized and coordinated implementation plans, also develop the necessary legal framework for the use of the MID-AMC.

f) Introduction of data link usage to support the ATC at flight level 290 by 2010.

g) Develop MID CNS Regional Performance Framework Forms supported by detailed action plans and assist in measurement of agreed MID Metric.

h) Provide the necessary expertise to other MIDANPIRG Sub-Groups task forces on issues related to CNS and infrastructure and coordinate requirements with these groups.

i) Assist and encourage States groups to foster implementation of the CNS infrastructure and procedures.

2.   Composition

2.1   The Sub-Group is composed of:

a) MIDANPIRG States;

b) concerned International/Regional Organizations as observers; and

c)   additional representatives from Industry may be invited on ad hoc basis, as observers, when required.

ICAO Middle East (MID) Regional Office

Tentative Schedule of Meetings, Seminars and Workshops
"January – December 2013"

Dated: 02 December 2012

DATE	MEETING/SEMINAR/WORKSHOP	VENUE	REMARKS
February			
5-7	**TF SG/5**	**TBD**	**Traffic Forecasting**
March			
11-13	**ATN/IPS WG/5**	**Cairo**	
April			
9-11	**CMA Workshop**	**Cairo**	
15-17	**DGCA-MID/2**	**Jeddah**	
22-24	**ARN TF/6**	**Cairo**	
28-1 May	**MID Region Safety Summit**	**TBD**	**(SIP)**
May			
7-9	**PBN/GNSS TF/5**	**Cairo**	
13-15	**ADCI TF/2**	**Cairo**	**Aerodrome Certification Implementation**
14-17	**IFAIMA Global AIM 2013 & ICAO EUR/MID AIM/SWIM Seminar**	**Istanbul**	**Joint ICAO EUR/NAT and MID**
20-23	**Seminar on Implementation of AIDC (ASBU Module B0-25)**	**Cairo**	**(SIP)**
27-29	**MIDAD STG/2**	**TBD**	
June			
3-5	**RSC/2**	**TBD**	**RASG Steering Committee**
17-19	**MSG/3**	**Muscat**	**MIDANPIRG Steering Group**
24	**BMG/3**	**Cairo**	**MET-Bulletin Management Group**
25-27	**MET SG/4**	**Cairo**	
July			
1-3	**ANP WG/1**	**Cairo**	**Air Navigation Plan**
September			
8-9	**ATM-Measurement TF/1**	**Cairo**	
10-12	**CNS/ATM/IC SG/7**	**Cairo**	

DATE	MEETING/SEMINAR/WORKSHOP	VENUE	REMARKS
23-25	AOP SG/9	Cairo	
October			
30 Sept.-3 Oct.	ATM/AIM/SAR SG/13	Cairo	
November			
4-6	CAPSCA-MID /3	TBD	
11-13	RASG-MID/3	TBD	
December			
15-19	MIDANPIRG/14	Jeddah	

Notes:

1. *Above activities are subject to confirmation by ICAO MID Regional Office invitation letters.*
2. *States interested in hosting any of the activities are requested to coordinate with the ICAO MID Regional Office, at least three (03) months in advance of the indicated dates.*
3. *The above table will be subject to update when required.*

Legend:

SG = Sub-Group, STG = Study Group, TF = Task Force, WG = Working Group.
TBD = To Be Determined.

For more information please contact: icaomid@cairo.icao.int

-END-